







8/31/2009

# Welcome to Mr. Rita's World of Science

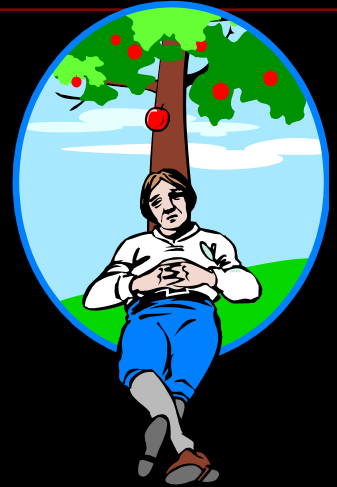


# Welcome to Mr. Rita's room!

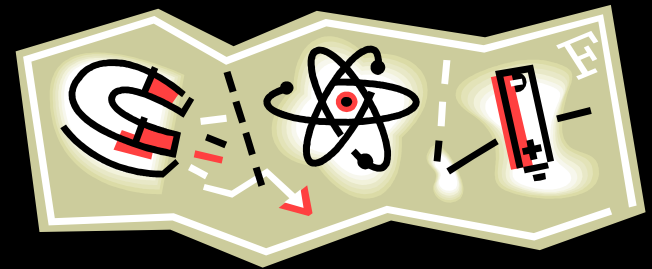
## Physical Science



College Prep  
&



Honors



# Who is this guy and what is this course all about??

I'm Mr. Rita

- ◆ My 12<sup>th</sup> year teaching Science,
- ◆ I'm also a Football Coach.
- ◆ I've coached Football and Track. I've been a TSA Advisor, and a former Spanish teacher.
- ◆ Available:
  - ★ Before school, Activity periods, and After school
  - ★ [rrita@clsd.k12.pa.us](mailto:rrita@clsd.k12.pa.us)
  - ★ School Phone 272-2033
  - ★ Other times with prior arrangements

# Topics for today...

- Teaching style
- Classroom expectations
- Topics covered
- Grading
- Honors – Science Fair
- Top 10 & Top 5

# Topic One:

## Teaching Style



Text Book Used

- This is a “Hands-on / Minds-on” class, so you will be asked to use **your** hands as well as **your** mind. *(not all in the book)*
- Class will consist of Lecture, Lab, Group activities, and several different forms of assessment.
- Participation and discussion are encouraged and expected.
- “Classroom For the Future” Class – Be prepared to show off your “Tech Savvy”.

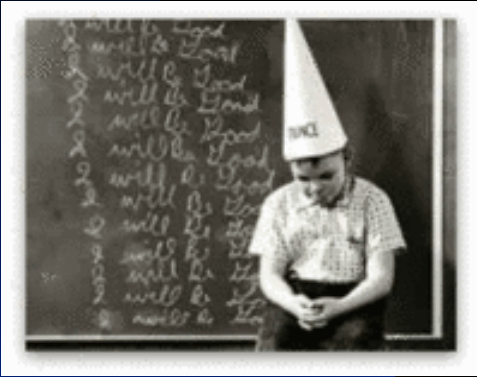


[2ndfave.wikispaces.com](http://2ndfave.wikispaces.com)



# Topic Two:

## Behavior Expectations



**If the bell has  
rung and you  
don't have a  
pass,**

**DON'T  
KNOCK!**

- Always have a Pencil or Pen, Notebook, Calculator (Text Book)
- **Be on time**
  - In the room, in your seat by late bell
- When I'm talking, your not.
- When you're talking, we're not
- RESPECT!
- Don't tick me off!

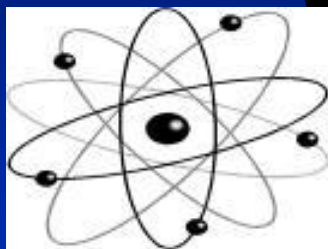
# Topic Three:

## Areas we'll cover

- 1<sup>st</sup> half of year is **Chemistry**

- Topics:

1. What is the **Scientific Method**?
2. How do you **Measure** accurately ?
3. What are **Atoms**, & what are they made of?
4. How is the **Periodic Table** organized?
5. Why do some **Chemicals Bond** & some don't?
6. How do we describe **Chemical Reactions**?

A standard periodic table of elements, color-coded by groups. The title "Periodic Table of the Elements" is at the top. The table includes all elements from Hydrogen (H) to Oganesson (Og), with the Lanthanide and Actinide series shown separately at the bottom.

# Topic Three:

## Other areas we'll cover



- 2<sup>nd</sup> half of year is **Physics**
- Topics:
  1. What is **Static Electricity**?
  2. How does electricity travel in a **Circuit**?
  3. How do we describe **Motion**?
  4. What makes things move or stop? (**Newton**)
  5. How does a fluid get **Pressure**?
  6. Why do some things **Float**?
  7. What forms of **Energy** are there?



# Topic Four: Grading

- Your final grade is based on 5 grading periods
  - ◆ 4 quarter grades (4 marking periods)
  - ◆ Mid-term Test (1/2 marking period)
  - ◆ Final Exam (1/2 marking period)
- Grades are weighted by a “%” system
  - ◆ Homework's are worth 10 %
  - ◆ Activities and projects are worth 20 %
  - ◆ Labs & Quizzes are worth 30 %
  - ◆ Tests are worth 40 % (Make-up tests may be Essay)
    - ◆ Bumps come from class participation and homework completion.



# MAS - Mandatory Academic Support

- After school assistance for students who need help or need to make up an assignment. (2:45 to 4:00)
- You may be sent to MAS for:
  - Regularly missing homework
  - Need to make up a test, paper, lab report, or other major project.
  - If assigned to MAS, you must go to MAS to complete the assignment, and you will receive a 10% reduction in the grade.
  - MAS comes before any other extracurricular activity (sports, band, chorus, even D-hall)



# Topic Five: Honors Science Fair

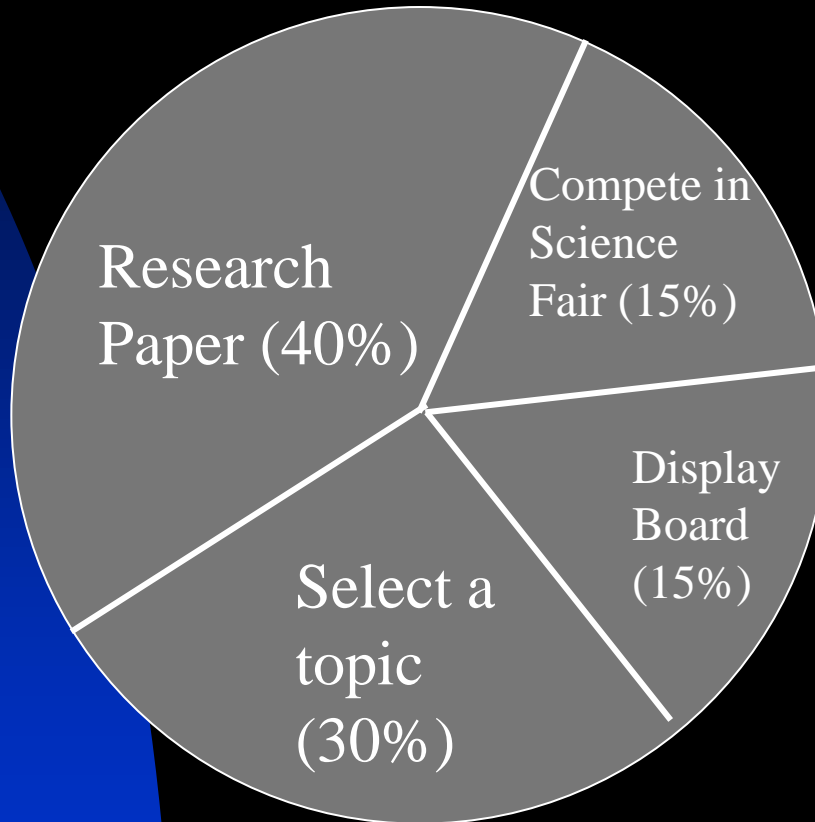
- The Science Fair will be held later part of January.
- Student Requirements:
  - ◆ Select a science fair topic \*
  - ◆ Research selected topic and compile research paper \*
  - ◆ Complete all forms before experimentation begins
  - ◆ Conduct a good qualitative and quantitative experiment
  - ◆ Keep a lab notebook and turn it into a Lab Report \*
  - ◆ Complete an abstract for your experiment
  - ◆ Construct a display describing your experiment \*
  - ◆ Compete in the CCHSSF and meet with judge for interview.\*

*\* Will be graded and count towards PS Honors grade*

# Science Fair Requirements

1. Select a topic – Must be worthy of a 9<sup>th</sup> grade honors level, approved by Mr. Rita
  2. Complete a Research Paper – Become an expert on your topic
  3. Assemble a Display board – Completeness, Appropriateness, and neatness will be expected. Participate in the judging process at the CCHS Science Fair.
- \* Failure to meet **one** of these requirements, or science fair grade less than 70%, you are referred to counseling office for possible removal from Honors Physical Science.

# Science Fair Grade Portion







**Any questions on  
Science Fair?**

# Expected Performance Level

## ■ College Prep

- Be prepared for Class.
- Pay attention in class and keep good classroom notes.
- Excellent lab work conduct.
- Complete homework assignments neatly and on time.
  - Periodic Homework
- Study for tests - Understand, don't memorize!

Any test grade below a 60% will require a parent signature to get credit

## ■ Honors

- Be prepared for class.
- Pay attention in class and take notes.
- Excellent, Independent lab work & conduct.
- Complete homework assignments neatly and on time.
  - Periodic & Unit Homework
- I expect more independent thought from Honors students.
- Choose a SF topic that is considered Honors level experimentation.
- Study for tests - Understand, don't memorize!

Any test grade below a 70% will require a parent signature to get credit

# Room Tour

- Ceiling
- Posted Grades
- Sharpener
- In box
- Out box
- Drawers
- Lab Area
- Equation circles
- Essential Questions
- Assignment board
- Fire Drill
- Word Wall
- My Porch

# Top 5 ways to lose points

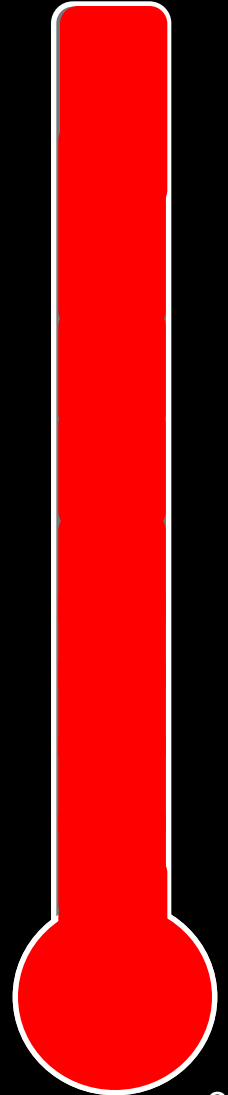
- 5. No name or Period on a paper.
- 4. One word explanations
- 3. Not showing proper units.
- 2. Not showing your work.

~~“I used my calculator”~~

1. If I can't read it, I wont grade it. (+0)

# 10 Things that will Tick-me-off!

- 10. Breaking something and not fessin'-up.
- 9. Not reading the instructions.
- 8. Hats, Shades and Underwear.
- 7. Annoying Potty habits.
- 6. I'm Mr. Rita, not *Rita*, not *Hey*, not *Yo!*"
- 5. Substitutes are not play things.
- 4. Blank spots on tests. (IDK???)
- 3. Standing on my porch
- 2. @, b/c, w/o, sorta, nuther are not words!
- 1. Sitting on my desks and tables.



*It all boils down to two things:*

## ***YOUR ATTITUDE***

***Success will depend on you attitude.***

***Science is not a spectator sport, be involved,  
experience it, understand – don't memorize.***

## ***RESPONSIBILITY***

***Remember always that you not only have the  
right to be responsible, you have an  
obligation to be responsible.***

***Eleanor Roosevelt***